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FOR THE BENEFIT OF THE LESS DEVELOPED AREAS**

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SUMMARY**

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SUMMARY

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**IRRIGATION PROBLEMS,
PRACTICES AND ADVISORY WORK
IN ISRAEL**

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IRRIGATION PROBLEMS, PRACTICES AND ADVISORY
WORK IN ISRAEL

M. Boaz,

Summary

1. The importance of irrigation

- a. Water consumption in relation to crop yields
- b. Income per unit area and per unit water

2. Overall irrigation limitations

- a. Shortage of water
- b. High cost of water
- c. High cost of labor
- d. High cost of installations
- e. Soil, water and climatic limitations

3. Actual daily irrigation problems

- a. Timing of irrigations
- b. Desired depth of wetting per each irrigation
- c. Amounts of water required to wet a given depth
- d. How to apply the required amounts of water per each irrigation
- e. How to coordinate irrigation practices with other agricultural treatments
- f. How to plan and organize the irrigation schedule
- g. How to overcome soil, water and climatic problems during the irrigation season

4. Irrigation Practices

- a. Sprinkler irrigation
- b. Combined furrow and sprinkler irrigation
- c. Border irrigation
- d. Underground irrigation
- e. Agricultural drainage leaching practices
- f. Irrigation systems and equipment

5. Advisory work in Irrigation (The Irrigation Field Service)

- a. The regional Irrigation Field Services and laboratories
- b. The central soil-water-plant laboratory
- c. The Institute for Irrigation Equipment
- d. The central staff of the Irrigation Field Service
- e. Training, demonstrations and courses
- f. Coordination and Cooperation aspects

